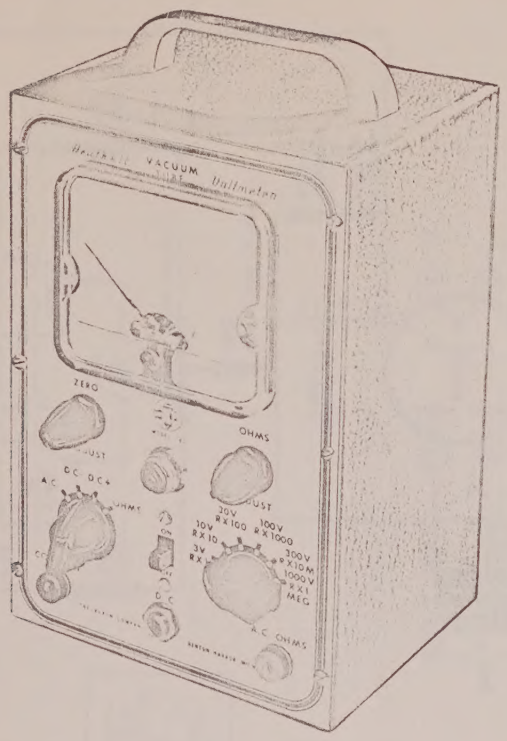
V-2

CONSTRUCTION MANUAL NO LONGER AVAILABLE

HEATHKIT MODEL V-2 VACUUM TUBE VOLTMETER



SPECIFICATIONS

Power Requirements: 105 to 125 V, 50 to 60 cycle AC, 10 Watts

DC VT VOLTMETER

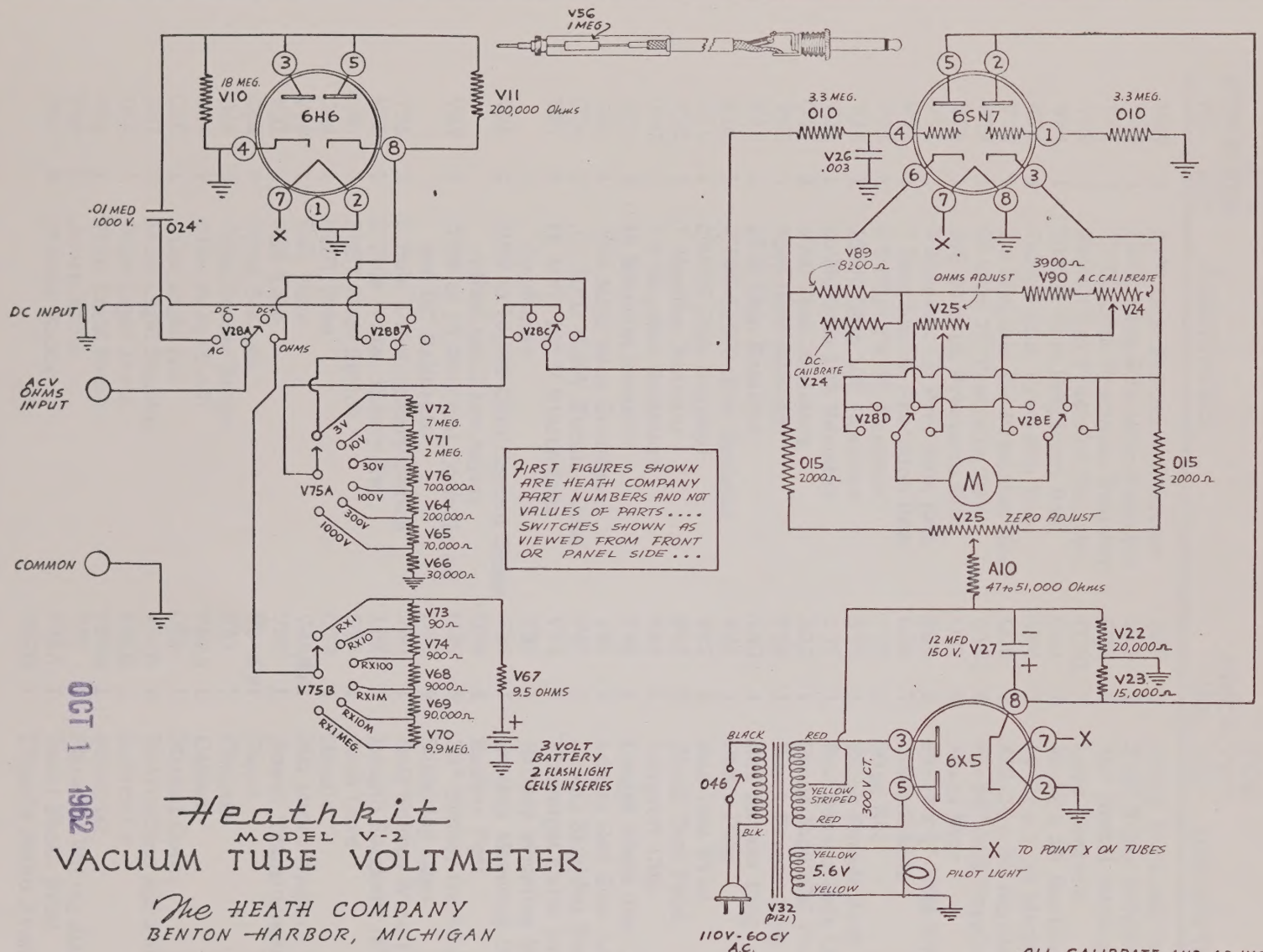
6 Ranges:	0-3, 10, 30, 100, 300, 1000 volts full scale. (Can be extended to 3000, 10,000 V with accessory probe) on linear scales.
Input Resistance:	Standard 11 megohm on all ranges. (Includes 1 megohm in probe)
Sensitivity:	3,666,666 ohms per volt on 3 volt range.
Circuit:	Balanced push pull using twin triode.

AUDIO FREQUENCY VOLTMETER (AC)

6 Ranges:	0-3, 10, 30, 100, 300, 1000 Volts full scale on linear scales reading R.M.S.
Input Resistance:	$6\frac{1}{2}$ megohms on all ranges.
Circuit:	Compensated Linear Diode.

ELECTRONIC OHMMETER

6 Ranges:	Scale X1, X10, X100, X1000, X10,000, X1 Megohm. Center scale 10 ohms. Measures .1 ohm to 1000 megohms with internal battery.
Batteries:	2-$1\frac{1}{2}$ volt No. 2 Flashlight cells.
Meter:	200 Microampere Movement.
Precision Resistors:	1% tolerance ceramic non-inductive.
Tubes:	1 6SN7 Twin Triode Meter bridge, 1 6H6 AC Diode Rectifier, 1 6X5 Power Rectifier.



Heathkit

MODEL V-2

VACUUM TUBE VOLTMETER

The HEATH COMPANY
BENTON HARBOR, MICHIGAN

OCT 1 1962

V58 B

4-11-'49

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V2 VACUUM TUBE VOLTMETER PARTS LIST

STOCK NO.	PCS. PER KIT	DESCRIPTION
V68	1	9000 Ohm Precision Resistor
V66	1	30000 Ohm Precision Resistor
V65	1	70000 Ohm Precision Resistor
V69	1	90000 Ohm Precision Resistor
V64	1	200000 Ohm Precision Res.
V76	1	700000 Ohm Precision Res.
V70	1	9.9 Megohm $\frac{1}{2}$W Precision Res.
V73	1	90 Ohm 1% Precision Res.
V74	1	900 Ohm 1% Precision Res.
V71	1	2 Megohm 1% Precision Res.
V72	1	7 Megohm 1% Precision Res.
V67	1	9.5 Ohm 1W 5% Resistor
V23	1	15000 Ohm 10% Resistor
V22	1	20000 Ohm 10% Resistor
O15	2	2000 Ohm Resistors
V90	1	3900 Ohm Resistor
V89	1	8200 Ohm Resistor
A10	1	47000-51000 Ohm Resistor
V11	1	200000 Ohm Resistor
V56	1	1 Megohm Resistor
O10	2	3.3 Megohm Resistors
V10	1	18 Megohm Resistor
V26	1	.003 MFD Mica Condenser
O24	1	.01 MFD 1000V Tubular Cond.
V27	1	12 MFD 150 V Electrolytic Condenser
V25	2	5000 to 10,000 Ohm Control Ohms Adjust and Zero Adjust
V24	2	5000 to 10,000 Ohm Controls AC and DC Calibrate
V28	1	5 Pole 4 Pos. Rotary Switch
V75	1	2 Pole 6 Pos. Rotary Sw.
O94	1	SPST Slide Switch
G44	1	6SN7 Tube
V30	1	6X5 Tube
V31	1	6H6 Tube
O54	3	Octal Sockets
O43	3	Octal Socket Rings
O39	1	Pilot Bulb (T-47)
O40	1	Pilot Light Nut
O41	1	Pilot Light Bushing
O42	1	Pilot Light Jewel
O52	1	Pilot Light Socket
V48	2	Acorn Knobs
O51	2	Pointer Knobs

STOCK NO.	PCS. PER KIT	DESCRIPTION
O38	1	Single Terminal Strip
V38	2	5/16" Fibre Shoulder Washers
O28	5	3/8" Nickel Washers
O101	7	Lock Washers
O31	5	#6-32 x 3/8 Machine Screws
V84	1	#6-32 x 1 3/4 Machine Screws
O30	2	#10-24 x 3/8 Handle Screws
O102	8	#6-3/8" Self Tapping Metal Screws
O32	8	#6-32 Nuts
S22	2	#6-32 x $\frac{1}{4}$" Nuts for Switch
O33	7	Control Nuts
V86	1	Wing Nut
V36	1	Black Banana Jack (Common Post)
V37	1	Red Banana Jack (AC-Ohm Post)
K17	1	Phone Jack (DC Post)
V39	1	Black Banana Plug
V40	1	Red Banana Plug
V41	1	Phone Plug
V42	1	Red Test Prod
V43	1	Black Test Prod
V44	1	Alligator Clip
V45	1	Length Black Test Lead Wire
V46	1	Length Red Test Lead Wire
V47	1	Length Shielded Test Lead Wire
V34	2	Flashlight Cells (one calibrated)
V82	1	Battery Mounting Bracket Strap
V83	1	Battery Mounting Bracket
O34	4	Rubber Feet
O35	3	3/8" Rubber Grommets
O37	4	Soldering Lugs
V50	1	Roll Hookup Wire 10 ft.
1P22	1	Length Spaghetti (8")
O78	1	Line Cord
O79	1	Handle
V49	1	200 Micro Ampere Meter
V32	1	Power Transformer (P121)
V51	1	Panel
V52	1	Chassis
V53A	1	Cabinet
O83	1	Manual Cover
V54B	1	Instructions and Parts List
V58B	1	Schematic
V59B	1	Pictorial
V91	1	Pictorial Wiring diagram
V61A	1	Panel Photo Print
V62B	1	Chassis Photo Print

All Resistors 1/4 or 1/3 Watt unless specified.

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